



# *Atmospheric Science Program*

## Chief Scientist Selection

March 2, 2004

I am very pleased to announce that Stephen Schwartz, a scientist at the U.S. Department of Energy's Brookhaven National Laboratory, has been selected to be Chief Scientist of the Department's Atmospheric Science Program.

Dr. Schwartz is a senior scientist at Brookhaven National Laboratory and has an outstanding record of scientific leadership and of research and accomplishment in atmospheric aerosols and their radiative influences. Dr. Schwartz provided some of the earliest estimates of aerosol radiative forcing of climate change and has made major advances in quantifying this forcing and understanding the controlling phenomena. He has served as principal investigator of a project in the DOE Atmospheric Chemistry Program, developing a hemispheric-scale model for tropospheric aerosols and examining aerosol radiative forcing. Dr. Schwartz also served on the Management Team for the DOE Atmospheric Radiation Measurement Program from its inception until 2000. Dr. Schwartz's research within that program has focused on rigorous tests of closure between measurements of irradiance components and predictions by radiative transfer models with particular emphasis on aerosols.

The key role of the Chief Scientist of a program such as the Atmospheric Science Program is to synthesize the science from the projects that comprise the program, working with the DOE Program Director to bring the program from a set of principal investigator ( PI ) projects into a coherent whole which well exceeds what would otherwise be the sum of the parts.

The DOE Atmospheric Science Program ( ASP ) is a component of the U.S. Climate Change Science Program ( CCSP ). The objective of ASP is to provide and improve the scientific knowledge needed to simulate and predict radiative forcing by aerosols and their effects on

climate. This program encompasses research at the Department's National Laboratories, other government laboratories, leading research universities, and the private sector.

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